

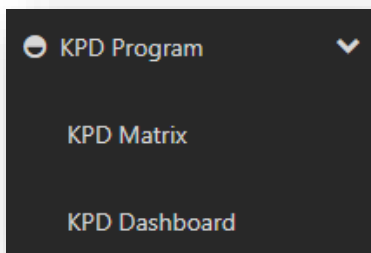
ORGANMATCH AUSTRALIAN AND NEW ZEALAND PAIRED KIDNEY EXCHANGE (ANZKX) OFFER MANAGEMENT- TRANSPLANTATION PORTAL

PURPOSE

This document describes the processes in OrganMatch for Offer Management in the Australian and New Zealand Paired Kidney Exchange (ANZKX) program.

KPD PROGRAM

The ANZKX user role in the OrganMatch Transplantation Portal allows users to access the KPD program menu. This contains the KPD Dashboard and the KPD matrix.



KPD MATRIX

The KPD Matrix displays recipients and donors who are enrolled on the KPD pathway. The outcomes of the matches are visible in the KPD Matrix as a Y (compatible), N (incompatible), B (blocked) or '-' ANZKX Registered Pair (ARP). Recipients or donors who are not "ready" but have a program enrolment will appear as a blank column or row in the matrix as no match events have occurred to populate the X and Y in matrix. Refer to *OM-061 Kidney Paired Donation (KPD) Matching- Laboratory Portal* for further information on the KPD Matrix.

KPD matrix		110 Recipients	122 Donors	6 LNDD	All Match Ready																											
	Donor Matches	a#WmUu cGidOb	AKZT Tkeald	AMENLb GDSiH	AuipwWl SAnTyvo	bcumx mNp	baKyuav/ Lpdkk	bryaMke/ JIjize	baF5ZuB RuzU	bucOVKQ Pnytes	lMNYI eLzFF	BbbHAYC IMTieaA	CludMzZ ZQhWn	CGP7uaz eajQ	CSQRk qWbZ	CZQaBPA Vtnogh	Dakernsio	eBWayy BlazLum	DreagZT gwawwD	DgRkM CREB	eDdHf LHCKa	efHwefur UuBfAG	EteR gksof	erfb jrcil	emsGCR MODfEs	EoChu eDCN	Eme ElysoN	eSAlh cWwGou	FjgR/ Apb/ Fu	RNkuKD RLiHd		
Recipient Matches	48	1	41	1	0	1	39	0	0	2	48	10	0	8	0	47	28	36	0	0	0	48	0	2	97	1	0	98	34			
amEsAbyxG TgCQhZM	9	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
aMzBk DZioV	14	X	X	Y	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
aYKUhgMZV TPKLvh	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
bBbNARt uctI	49	Y	X	Y	X		X	Y	X	X	Y	Y	X	X	X	X	X	Y	Y	Y	X	X	Y	X	X	X	X	X	X	X	X	
BNTtH Eau NLPBp	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
bRIDM CcWd	12	X	X	Y	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
BRNGHL Cvaqjk	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
bYDhxx OusPn	0	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CBlaDSny wIHfGb	39	Y	-	Y	X		X	Y	X	X	Y	X	X	X	X	X	X	Y	Y	X	X	X	Y	X	X	B	X	X	X	X	Y	
cNFdP HINmuaC	11	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DtmWNX LDHdDp	40	Y	X	X	X		X	X	X	X	B	Y	X	X	X	X	X	Y	Y	Y	X	X	Y	X	X	X	X	X	X	X	X	X
DiqNxrR cEUuay	41	Y	X	Y	X		X	Y	X	X	Y	X	X	X	X	X	X	Y	Y	X	X	Y	X	X	X	X	X	X	X	X	X	X
dQnCce eSLKq	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
dsOpelI DUBWID	9	Y	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
eGjXrPT	46	Y	X	Y	X		X	Y	X	X	Y	X	X	X	X	X	X	Y	Y	Y	X	X	Y	X	X	X	X	X	X	X	X	Y
eWwI hpdnY	46	Y	X	X	X		X	Y	X	X	Y	X	X	X	X	X	X	Y	Y	Y	X	X	Y	X	X	X	X	X	X	X	X	X

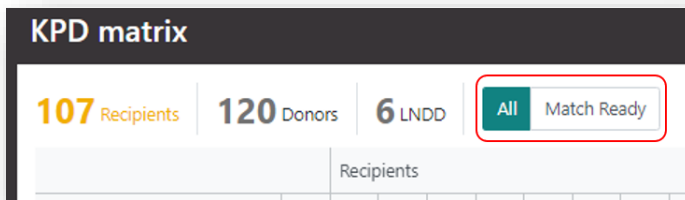
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Hover mouse over any cell in matrix and the recipient and donor detail will be visible in a popup, along with the eplet load from the match event. If a pair has been blocked, the blocked reason will also be visible in the hover box. The recipient or donor name will appear in red in the popup if they are red in the matrix.

To find a person quickly, use control F (find) and the name will be highlighted red in donor column and yellow in recipient's row.



To view the recipient match probability score for each donor, click the Match Ready button.



The Recipient Match Probability displays below the Recipient Matches row.

63 Recipients		69 Donors		0 LNDD		All	Match Ready
Recipients							
	Donor Matches	HuUfH RqGez	HYhTPJsp xEbZNF	JCsh nTqcSlb	JQTKY UGPOzs	LjZdOo RyqrWK	LSuQOXajt QEUhZK
Recipient Matches		0	25	25	2	2	34
Recipient Match Probability		0.00	0.36	0.36	0.03	0.03	0.49
							ItrfE RDgCX

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KPD DASHBOARD

The KPD Dashboard allows the ANZKX team to view combinations and chains in the OrganMatch Transplantation Portal.

The KPD Dashboard displays current and historical published combinations.

The ANZKX Tissue typing coordinator (ATTC) confirms a chain in consultation with the ANZKX Director, these chains are then published In OrganMatch. They will then appear in the current tab in the KPD dashboard.

KPD Dashboard				
Current		History		
	Date Generated	Date Saved	No Of Recipients	Run Name
🔍	25/11/2023 12:49	25/11/2023 13:02	7	CHAIN2023-022E NDAD
🔍	20/11/2023 11:09	20/11/2023 11:24	5	CHAIN2023-025 NDAD
🔍	27/10/2023 16:42	27/10/2023 16:49	6	CHAIN2023-021F NDAD
🔍	06/09/2023 17:00	07/09/2023 09:22	2	CHAIN2023-020

The match event for each pair in the chain can now be viewed.

Match event

LIVING DIRECTED DONOR | **RECIPIENT**

Female 43 years | OM ID 0085920 | Lab Ref A577977 | Person Profile | Male 54 years | OM ID 0081376 | Lab Ref 19373 KR | Person Profile

Information | Match event outcomes | Histocompatibility assessment

Donor HLA Typing profile

A	B	C	DRB1	DQB1	DQA1	DPB1	DPA1	DRB3	DRB4	DRB5
*01:01	*44:03	*15:02	*04:01	*02:02	*02:01	*03:01	*01:03	-	*01:01	-
*11:01	*15:01	*16:01	*07:01	*03:02	*03:01	*11:01	*02:01	-	*01:03	-

Recipient HLA Typing profile

A	B	C	DRB1	DQB1	DQA1	DPB1	DPA1	DRB3	DRB4	DRB5
*11:01	*27:05	*02:02	*04:03	*03:02	*01:04	*04:01	*01:03	*02:02	*01:03	-
*6:01	*4:06	*15:02	*14:04	*05:03	*03:01	*04:02	-	-	-	-

Allelic assessment

A	B	C	DRB1	DQB1	DQA1	DPB1	DPA1	DRB3	DRB4	DRB5
*01:01	*44:03	-	*04:01	*02:02	*02:01	*03:01	-	*01:01	-	-
-	*15:01	*16:01	*07:01	*03:02	-	*11:01	*02:01	-	*01:03	-

Eplet load

Class I	Class II	Total	Total DRB1 matches
19	44	63	1

Allelic Differences

*Not Determined - insufficient typing to determine allelic differences

DSA assessment

DSA Assessment: does not appear to have any donor specific antibodies directed against ANZKX donor in any serum tested to date.

Show on Report	DSA Category	Recipient Antibody	Donor HLA	MFI	Strength Rating	Sample Date	DSA Note	Test Result Reportable Note	Ig Isotype	Sera Treatment	Class	Sample Tag
No DSA found												

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The offer for each pair in the chain can be made to the transplant unit individually rather than the whole chain simultaneously.

The match event outcome can also be updated with the offer date, medical acceptance date, surgical acceptance date and proposed theatre date.

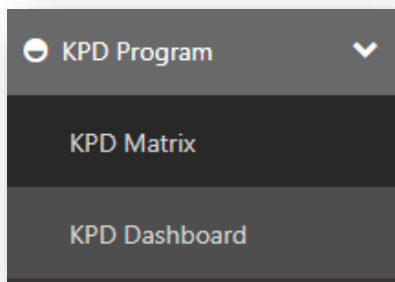
This information is also displayed in the KPD dashboard.

If a chain breaks down or the patients are transplanted, the combination is archived and the chain and combination information will be displayed in the history tab.

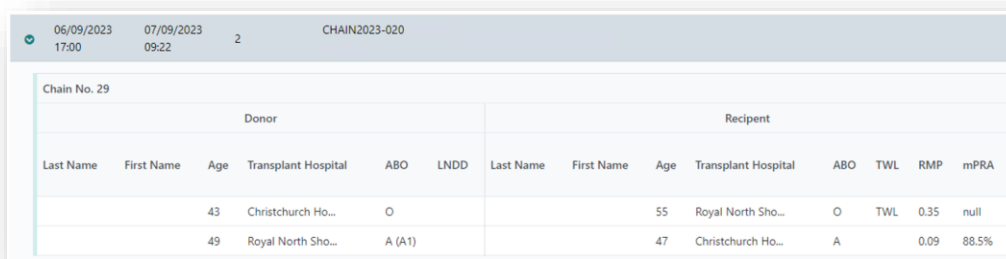
UPDATING MATCH EVENT OUTCOME INFORMATION

When an offer has been accepted the match event fields for acceptance dates can be updated. This data can also be viewed in the laboratory portal.

1. Click **KPD Dashboard**.



2. Click the arrow to expand the combination and view the chains that require updating.

A screenshot of a data table. At the top, there is a header bar with a green checkmark icon, the date '06/09/2023 17:00', another date '07/09/2023 09:22', the number '2', and the text 'CHAIN2023-020'. Below this is a table with the title 'Chain No. 29'. The table is split into two main sections: 'Donor' and 'Recipient'. Each section has columns for 'Last Name', 'First Name', 'Age', 'Transplant Hospital', 'ABO', and 'LNDD'. The 'Recipient' section also includes columns for 'TWL', 'RMP', and 'mPRA'.

Donor						Recipient							
Last Name	First Name	Age	Transplant Hospital	ABO	LNDD	Last Name	First Name	Age	Transplant Hospital	ABO	TWL	RMP	mPRA
		43	Christchurch Ho...	O				55	Royal North Sho...	O	TWL	0.35	null
		49	Royal North Sho...	A (A1)				47	Christchurch Ho...	A		0.09	88.5%

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3. Click on the row to view the match event of the recipient and donor. Click **Edit** and update the **Offered Date**, **Medical Acceptance Date**, **Surgical Acceptance Date** and **Proposed Theatre Date** as required.

Matched Date	Algorithm Assessment	Pair Blocked	Block Reason
26/07/2023 08:20	N/A	No	-
Offer Status	Offer Response	Reason	Transplanted
Eligible for offer	-	-	-
Offered Date	Medical Acceptance Date	Surgical Acceptance Date	Proposed Theatre Date
11/09/2023 Monday, September 11, 2023	12/09/2023 Tuesday, September 12, 2023	10/11/2023 Friday, November 10, 2023	04/12/2023 Monday, December 4, 2023
Comments	-		

4. Click Save.

Cancel Save

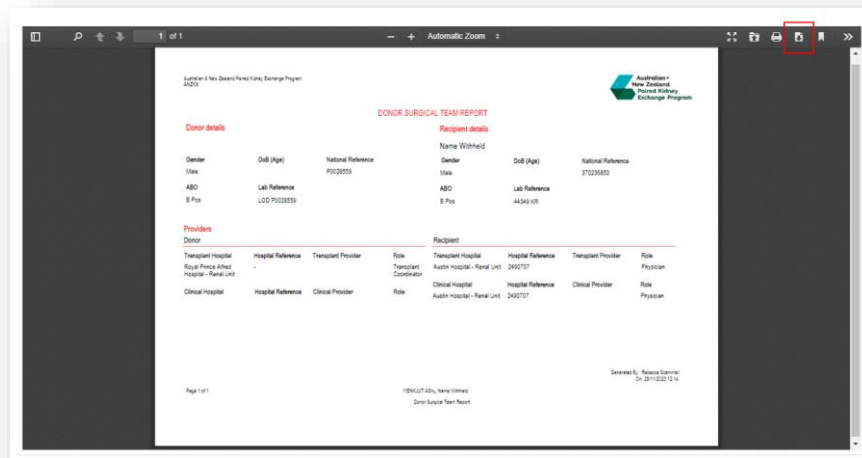
5. A notification is generated to the Laboratory Portal when the Medical Acceptance Date is populated to notify the lab the offer has been accepted. A notification is also generated to the Laboratory Portal when the Proposed Theatre Date is populated and is within 30 days to notify the lab that surgery has been booked.

6. Click **Generate Donor Surgical Team Report** to generate the report provided to the Donor Surgical Team for use at the time of Kidney retrieval.

Generate Donor Surgical Team Report

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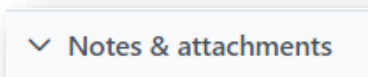
- The report can then be downloaded to the users local drive or printed as required.



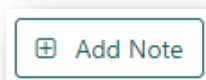
ANZKX INTERNAL NOTE

Specific ANZKX information about recipients or donors can be added via an ANZKX internal note. These notes are only visible to the ANZKX team.

- In the person record click **Notes & attachments**.



- Click **Add Note**.



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3. Add a **Title**, select a **Sub-Category** and add **Details**.

The screenshot shows the 'Add Note' dialog box. It has a title bar with 'Add Note' and a close button. There are two tabs: 'Note' and 'Attachments'. The 'Note' tab is selected. The form includes a 'Title *' field, a 'Category *' dropdown menu with 'Person' selected, and a 'Sub-Category *' dropdown menu with 'Please Select...' selected. Below these is the 'ANZKX Internal Note' section with 'Yes' and 'No' radio buttons. The 'Details *' section has a rich text editor with icons for bold, italic, underline, and list, and a text area with the placeholder 'Enter text here...'. At the bottom right are 'Cancel' and 'Save' buttons.

4. Select **Yes** for **ANZKX Internal Note**.

The screenshot shows the 'ANZKX Internal Note' section of the dialog box. It has a title 'ANZKX Internal Note' and two radio buttons: 'Yes' and 'No'. The 'Yes' radio button is selected.

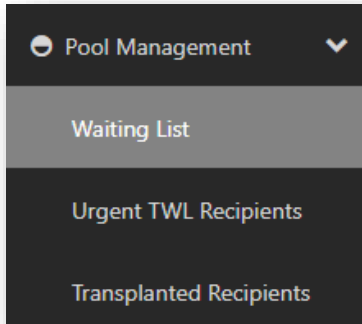
5. Click **Save**.

The screenshot shows the 'Cancel' and 'Save' buttons at the bottom of the dialog box. The 'Save' button is highlighted in green.

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POOL MANAGEMENT

A waiting list for recipients and donors on the KPD pathway can be displayed in Pool Management-Waiting List.



Select Kidney as the **Organ Program** and KPD as the **Transplant Pathway** to display the list.

The recipient and their registered donor are displayed.

The **Authorisation Required** column allows the ANZKX team to view which pairs still require authorisation after registration.

A screenshot of a web application interface titled 'Waiting List'. It features a filter section at the top with dropdown menus for 'Organ Program *' (set to 'Kidney'), 'Transplant Pathway' (set to 'KPD'), 'Transplant Hospital' (set to 'All'), 'Clinical Hospital' (set to 'All'), 'Provider' (set to 'All'), and 'Status' (set to 'All'). There is also a 'Find Person' search box. Below the filters is a table with columns for recipient and donor information. The table has two main sections: 'Recipient' and 'Donor'. Each section has columns for 'Last Name', 'First Name', 'Date of Birth', 'ABO', 'Transplant Hospital', 'Clinical Hospital', 'Ready', and 'Status'. Additionally, there is a column for 'Authorisation Required' in both sections, which is highlighted with a red box in the screenshot. The table contains five rows of data.

Recipient										Donor									
Last Name	First Name	Date of Birth	ABO	Transplant Hospital	Clinical Hospital	Date of Last Serum	Ready	Status	Authorisation Required	Last Name	First Name	Date of Birth	ABO	Transplant Hospital	Clinical Hospital	Ready	Status	Authorisation Required	
O	OPAR	OGRER	17/11/2023	✓	Active	No	O	OPAR	OGRER	✓	Active	No							
O	NRNS	ACBR	07/11/2023	✓	On Hold	No	B	NRNS	NRNS	✓	On Hold	No							
O	VAUSR	VBENR	22/11/2023	✓	On Hold	No	A	VAUSR	VAUSR	✓	On Hold	No							
O	NZAU	NZCHR	06/06/2023	✓	Active	No	A	NZAU	NZCHR	✓	Active	No							
A	WSRR	WSRR	06/11/2023	✓	Active	No	O	WSRR	WSRR	✓	Active	No							

DEFINITIONS

Term/abbreviation	Definition
ANZKX	Australian and New Zealand Paired Kidney Exchange Program
ATTC	ANZKX Tissue typing coordinator
KPD	Kidney Paired Donation
OM	OrganMatch
Transplantation Portal	OrganMatch portal for transplant clinicians and coordinators.

REFERENCED INTERNAL DOCUMENTS

Document number	Source
OM-061	Kidney Paired Donation (KPD) Matching- Laboratory Portal

CHANGE HISTORY

Version number	Effective date	Summary of change
1	14/12/2021	First version of document
2	08/03/2022	Updated to include authorisation required filters
3	05/04/2023	<ul style="list-style-type: none"> Updated KPD Dashboard as the most recent match event is now displayed when clicking on a pair in the combinations screen. Updated KPD dashboard to include generation of the Donor Surgical Team Report.
4	20/09/2022	Updated to include KPD Matrix
5	06/02/2024	Updated to new template.
6	Refer to footer	OrganMatch Sprint 51 updates: <ul style="list-style-type: none"> Updated match event outcomes with new notifications to the laboratory portal.

ELECTRONIC SIGNATURE

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